KAVA

AIRE BY MINKA

READ AND SAVE ALL INSTRUCTIONS

INSTRUCTION MANUAL WARRANTY CERTIFICATE

This product is protected by United States Federal and/or State Law, including Patent, Trademark and/or Copyright laws. Manual design and all elements of manual design are protected by U.S. Federal and/or State Law, including Patent, Trademark and/or Copyright laws.

AIRE BY MINKA

1151 W. Bradford Court, Corona, CA 92882 • For Customer Assistance Call: 1-800-307-3267

WARRANTY

The Aire warranty is for one (1) year from the date of purchase from an authorized Aire dealer. This warranty is only valid to the original purchaser or user against all defects in material and workmanship (light bulbs excluded) for one (1) full year. Additionally, Aire warrants the motor only for the lifetime of the Aire ceiling fan (excluding wall controls and electrical components), to the original purchaser or user.

- The warranty is void with the use of any non-Aire electrical devices; e.g., wall controls or electrical dimmer switches, etc.
- The warranty is void once the original purchaser or user ceases to own the fan or the fan is moved from its original point of installation.
- The warranty is void with the use of any hanger bracket (non-Aire or non-fan specific) other than the hanger bracket supplied in the box.
- The warranty is void if installed in an environment other than its intended use (Indoor fans installed outdoors or in a covered outdoor patio area, or subjected to environmental conditions: salt air, humidity, direct sun exposure, etc.). Outdoor finfshes are specifically excluded from the terms of this warranty since they are subject to environmental and maintenance damages beyond our control.

WARRANTY SERVICE INFORMATION

To obtain warranty service during the warranty period, the purchaser should return the fan with the original sales receipt to the original place of purchase. Replacement is subject to availability of the same model. This is a limited warranty; the original purchaser or user is responsible for the cost of removal and re-installation of repaired or replacement product. Outdoor finishes are specifically excluded from the terms of this warranty since they are subject to environmental and maintenance damages beyond our control.
Fan warranty registration should be mailed as addressed on the warranty card.

Date Purchased _____ Store Purchased _____ Model Number 04726

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SAFETY RULES

1. To reduce the risk of electric shock, ensure electricity has been turned off at the circuit breaker or fuse box before beginning.

2. All wiring must be in accordance with the National Electrical Code “ANSI/NFPA 70-1999” and local electrical codes. Electrical installation should be performed by a qualified licensed electrician.

3. The outlet box and support structure must be securely mounted and capable of reliably supporting a minimum of 35 lbs. Use only UL-listed outlet boxes marked “FOR FAN SUPPORT.”

4. The fan must be mounted with a minimum of 7 ft. clearance from the trailing edge of the blades to the floor.

5. Avoid placing objects in the path of the blades.

6. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.

7. Do not use water or detergents when cleaning the fan or fan blades. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.

8. After making electrical connections, spliced conductors should be turned upward and pushed carefully up into the outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the outlet box and ungrounded conductor on the other side of the outlet box.

9. All setscrews must be checked and retightened where necessary before installation.

10. Turn the fan off and wait for the blades to stop completely before performing any maintenance or cleaning.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors which cannot be built into this product. These factors must be supplied by the person (s) installing, caring for and operating the unit.

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR OTHER PERSONAL INJURY, MOUNT FAN ONLY ON AN OUTLET BOX OR SUPPORTING SYSTEM MARKED ACCEPTABLE FOR FAN SUPPORT OF 35 LBS (15.9 KG) OR MORE NOT LESS AND USE MOUNTING SCREWS PROVIDED WITH THE OUTLET BOX. MOST OUTLET BOXES COMMONLY USED FOR THE SUPPORT OF LIGHTING FIXTURES ARE NOT ACCEPTABLE FOR FAN SUPPORT AND MAY NEED TO BE REPLACED. CONSULT A QUALIFIED ELECTRICIAN IF IN DOUBT.

TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE HOLDERS WHILE INSTALLING, BALANCING THE BLADES OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.

TO REDUCE THE RISK OF FIRE OF ELECTRONIC SHOCK, THIS FAN ONLY CAN USE KH968 SOLID-STATE SPEED CONTROL WITH RC400 REMOTE CONTROL ONLY.

PACKAGE CONTENTS

Unpack your fan and check the contents. You should have the following items:

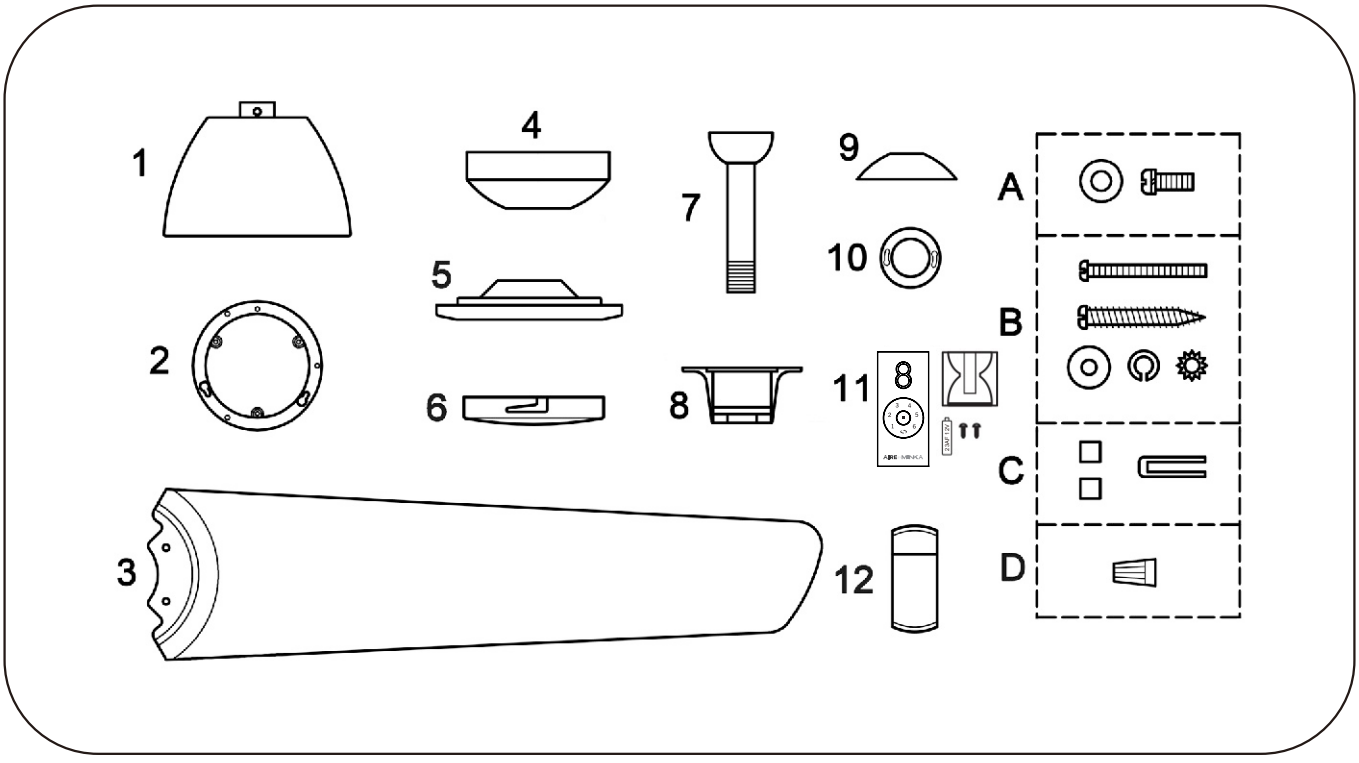
1. Fan body
2. 20W LED light kit
3. Fan blade(3 pcs)
4. Canopy
5. Light kit plate
6. Light shade
7. Downrod assembly
8. Hanger bracket
9. Coupling cover
10. Canopy cover
11. Hand Held Remote+holder+2 Mounting Screws+ 12v *1 Battery
12. Receiver(8 pcs wire nuts)

A. Blade attachment hardware
   1/4X16mm+S screws (10pcs)
   1/4(Φ6.6*13*0.8mm) flat washer (10 pcs)

B. Mounting hardware
   #8-32*38mm screw(2pcs)
   #10x38mm wood screw(2 pcs)
   Φ5*14*1mm flat washer(2 pcs)
   5/32(Φ4.4*9.4*0.5-1.0mm-10) star washer(2pcs)
   3/16(Φ5.2*8.4*1.0mm) spring washer(2pcs)

C. Balance kit

D. Wire nut(3pcs)



INSTALLING THE FAN

Tools Required: Phillips screw driver; slotted screw driver; step-ladder; wire cutters; electrical tape.

MOUNTING OPTIONS

If there isn't an existing mounting box, then read the following instructions. Disconnect the power by removing fuses or turning off circuit breakers.

Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 35 lbs.). Use a UL Listed metal outlet box. Do not use a plastic outlet box.

Figure 1, 2 and 3 are examples of different ways to mount the outlet box.

Note: You may need a longer downrod to maintain proper blade clearance when installing on a steep, sloped ceiling. Longer downrods are available from your Minka dealer.

To hang your fan where there is an existing fixture but no ceiling joist, you may need to install a hanger bar as shown in Fig. 4 (available at your Minka dealer).

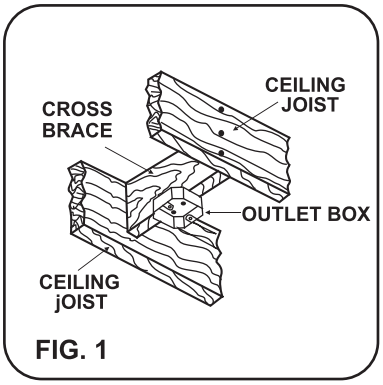


FIG. 1

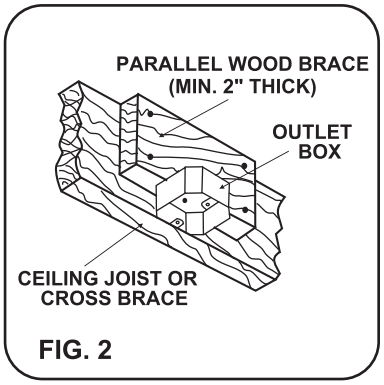


FIG. 2

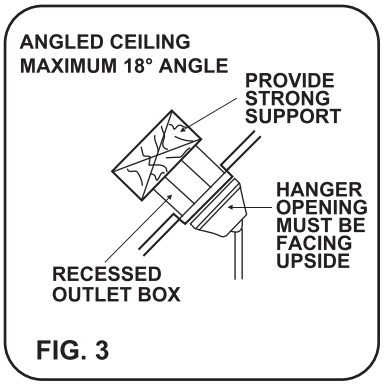


FIG. 3

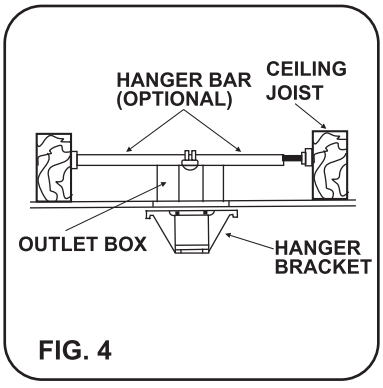


FIG. 4

HANGING THE FAN

WARNING: All of the parts, hardware and components such as the hanger bracket and hanger ball have been provided for your safety and the proper installation of your new ceiling fan. The use of other parts, hardware or components not supplied by Minka with the fan will void the Minka Warranty.

REMEMBER to turn off the power. Follow the steps below to hang your fan properly:

Step 1. Secure the Hanger Bracket to the ceiling outlet box using the screws provided with your outlet box in conjunction. (Fig. 5)

Step 2. Remove the hitch pin and lock pin from downrod assembly. (Fig.6)

Step 3. Carefully feed fan wires up through the downrod. Thread Downrod into the Coupling until the holes are lined up and secure with the Lock Pin and Hitch Pin previously removed, tighten Set Screws. (Fig.7&Fig.8&Fig.9)

Step 4. Lift the Motor Assembly and place the Hanger Ball into the Hanger Bracket. Rotate the Motor Assembly as needed until the check groove from the Hanger Ball rests firmly over the registration tab from the Hanger Bracket. (Fig. 10)

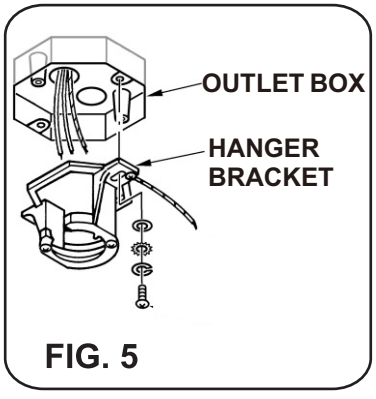


FIG. 5

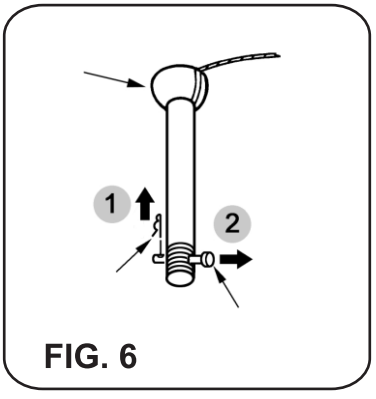


FIG. 6

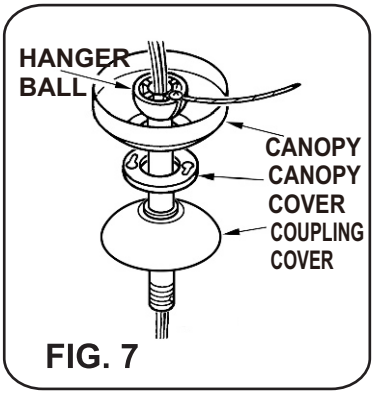


FIG. 7

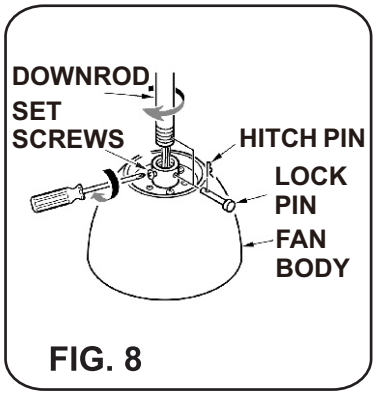


FIG. 8

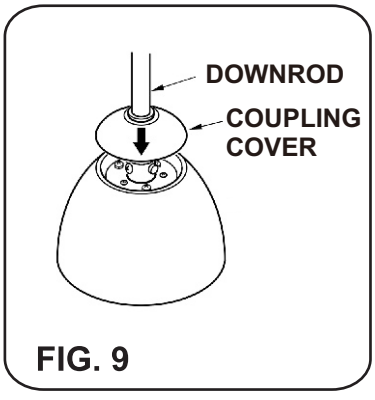


FIG. 9

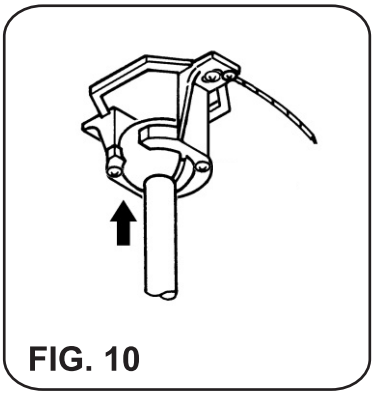
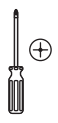


FIG. 10

Tools Required:


Phillips screwdriver

Ladder

ELECTRICAL CONNECTIONS

WARNING: To avoid possible electrical shock be sure electricity is turned off at the main fuse or breaker box before wiring.

Note: The universal hand held remote control system is equipped with learning frequency function which has 32 code combination to prevent potential interference from other remote units. The frequency on your receiver and transmitter units have been preset at the factory. (Fig.11). No frequency change is necessary, should you desire to install another fan within the same home or area with a seperate frequency code please see the "frequency interference" troubleshooting section of this instruction manual to learn how to change the frequency.

Note: Fan must be installed from a maximum distance of 40 feet from the transmitting unit for proper signal transmission between the transmitting unit and the fan's receiving unit.

Step 1: Insert the receiver unit into the hanger bracket with the flat side of the receiver facing the ceiling. (Fig.12)

Step 2: Motor to Receiver electrical connections: connect the WHITE WIRE from the fan to the WHITE wire from receiver. Connect the RED wire from the fan to the RED wire from the Receiver. Connect the BLUE wire from the fan to the BLUE wire from the receiver. Connect the PURPLE wire from the fan to the PURPLE wire from the receiver. Connect the GREY wire from the fan to the GREY wire from the receiver. (Fig.13)

Step 3: If your outlet box has a GROUND wire (Green or Bare Copper) connect this wire to the Hanger Ball and Hanger Bracket Ground wires. If your outlet box does not have a Ground Wire , then connect the Hanger Ball and Hanger Bracket Ground Wires together. Secure wire connection with the plastic wire nut provided. (Fig.13)

Step 4: Receiver to House Supply Wires Electrical connections: Connect the WHITE wire from the outlet box to the WHITE wire from the receiver. Connect the BLACK wire from the outlet box to the BLACK wire from the receiver. Secure all wire connections with the plastic wire nuts provided. (Fig.13)

After all splices are made, check to make sure there are no loose strands. As an additional precaution we suggest to secure the plastic wire connectors to the wires with electrical tape.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could viod the user's authority to operate the equipment.

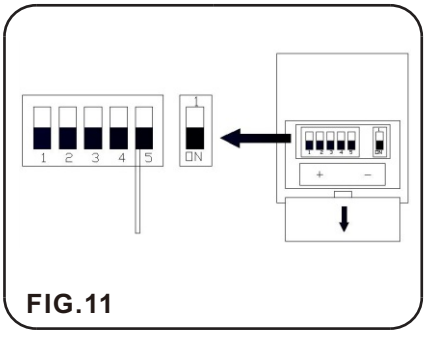


FIG.11

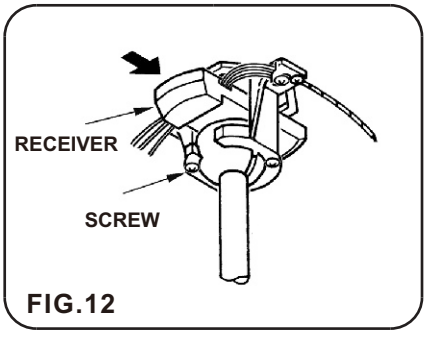


FIG.12

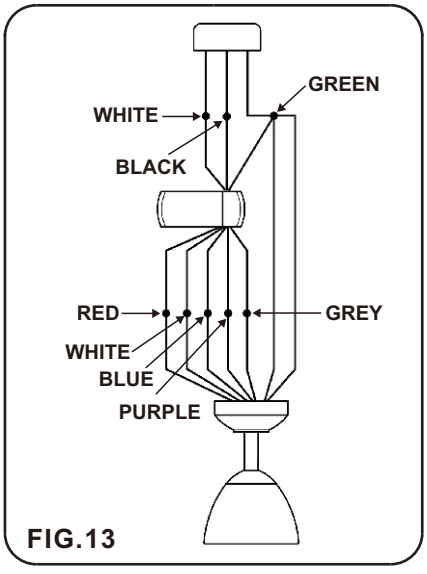


FIG.13

Tools Required:

Ladder

Electrical Tape

FINISHING THE INSTALLATION

Step 1. Remove 1 of the 2 screws from the bottom of the hanger bracket and loosen the other one half a turn from the screw head. (Fig.14)

Step 2. Slide the canopy up towards the hanger bracket and place the key hole on the canopy over the screw on the hanger bracket, turn canopy until it locks in place at the narrow section of the key holes. (Fig.14)

Step 3. Align the circular hole on canopy with the remaining hole on the hanger bracket, secure by tightening the two set screws. (Fig.14)

Note: Adjust the canopy screws as necessary until the canopy and canopy cover are snug.

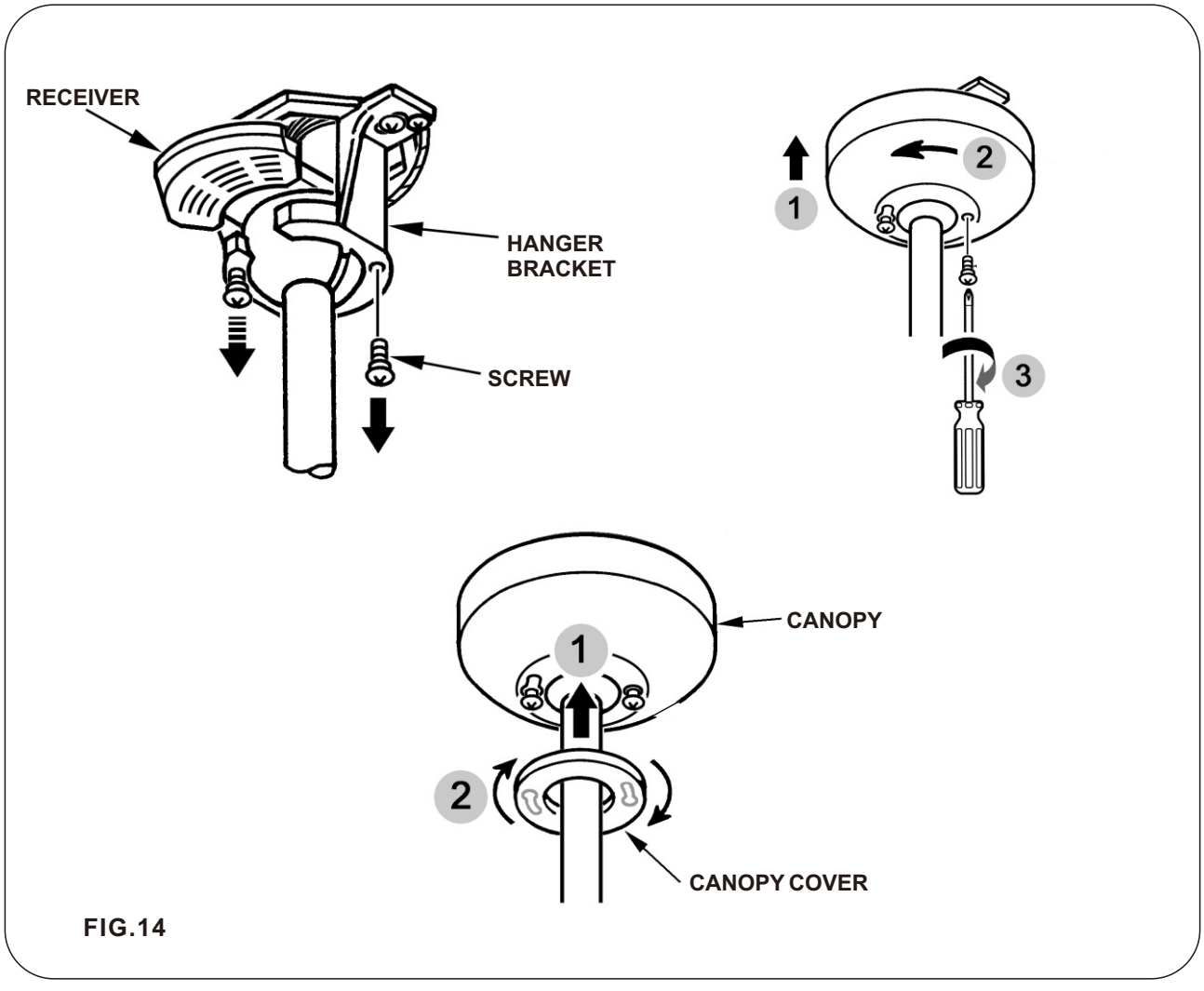
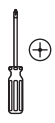


FIG.14

Tools Required:



Phillips screwdriver

Ladder

ATTACHING THE FAN BLADES

Step 1. Attach the fan blades to the **motor** using the screws provided, tighten screws securely. Repeat process with other blades. (Fig. 15)

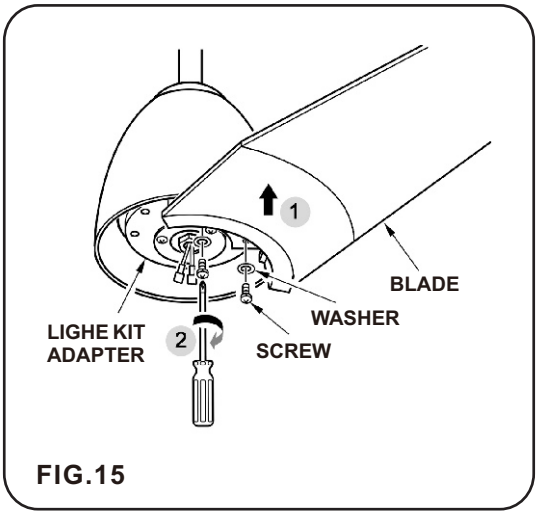


FIG.15

INSTALLING THE LIGHT KIT PLATE

Step 1. Remove 3 screws from Light kit adapter.(Do not discard)(Fig.16)

Step 2. Raise the light kit plate against the light kit adapter, get the wire through the hole of light kit plate. Screw back the removed screws on step 1.(Fig.16)

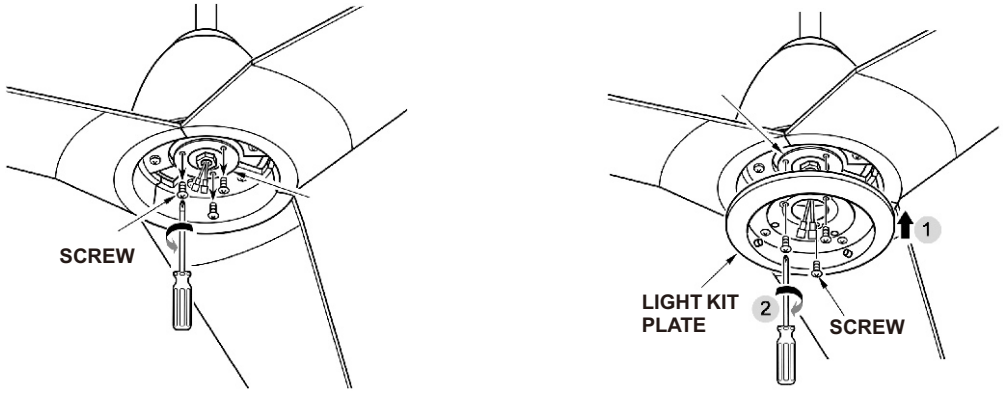
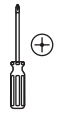


FIG.16

Tools Required:



Phillips screwdriver

Ladder

INSTALLING THE LED LIGHT KIT

NOTE: Before starting installation, make sure power is turned off at the circuit breaker.

CAUTION: The light source is designed for this specific application and can overheat if serviced by untrained personnel. If any servicing is required, the product should be returned to an authorized service facility for examination or repair.

Step 1. Remove the 3 screws from the light kit plate and put to the side for the moment.(Fig.17)

Step 2. While holding the LED light kit under the fan motor assembly, plug the 2-pin wire connections:(Fig.18)
- White to White
- Blue to Blue

Step 3. Screw back the 3 previously removed screws and tighten the light kit.(Fig.19)

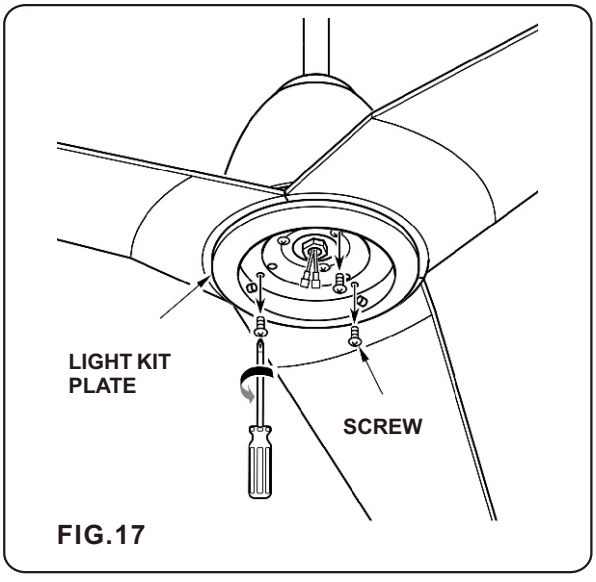


FIG.17

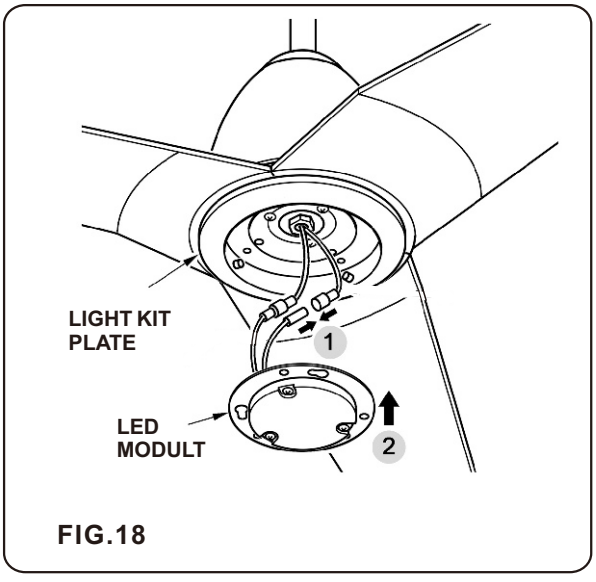


FIG.18

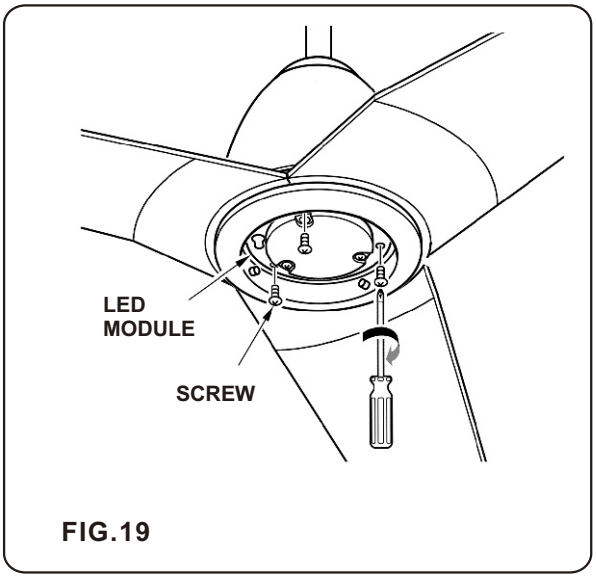
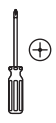


FIG.19

Tools Required:


Phillips screwdriver

Ladder

INSTALLING THE SHADE

Raise shade up against **light kit** plate and secure it to the fan by turning the **light** shade clockwise until snug. DO NOT OVERTIGHTEN. (Fig. 20)

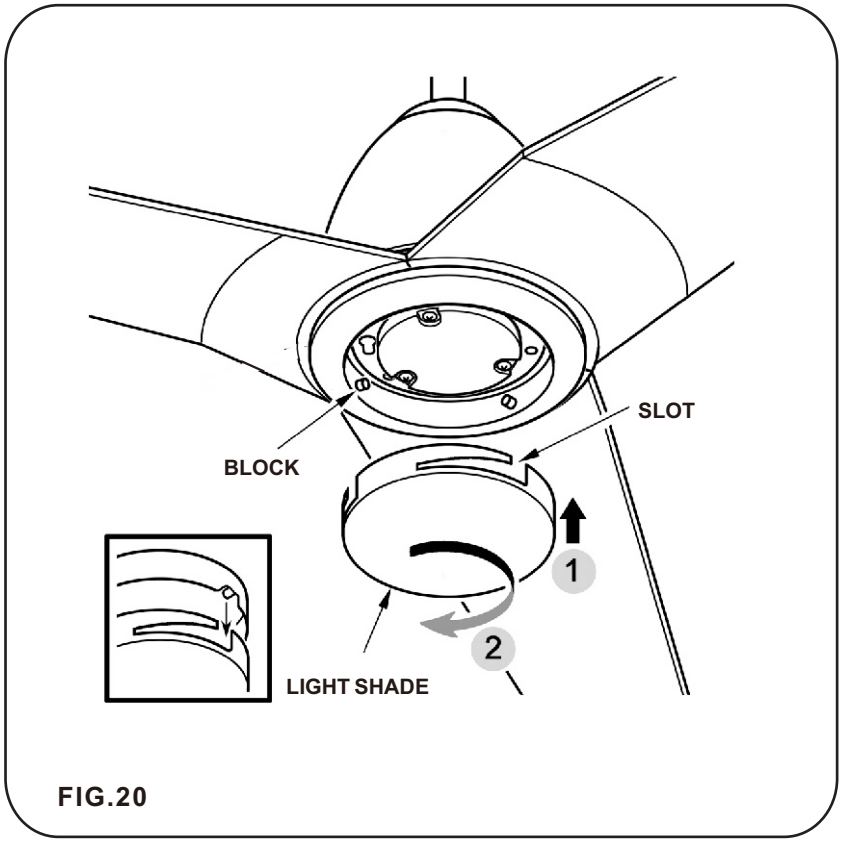


FIG.20

Tools Required:

Ladder

OPERATING THE REMOTE CONTROL

Remote Control only: Install an A23 12 volt battery (included). To prevent damage to transmitter remove the battery if not used for long periods of time.

Your DC brushless motor is equipped with a self learning frequency function remote control. Restore power to ceiling fan and test the transmitter as below for proper operation: (Fig. 21)

A. 1, 2, 3, 4, 5 and 6 button:
These six buttons are used to set the fan speed as follows:
1 = minimum speed
2 = low speed
3 = medium low speed
4 = medium speed
5 = medium high speed
6 = high speed

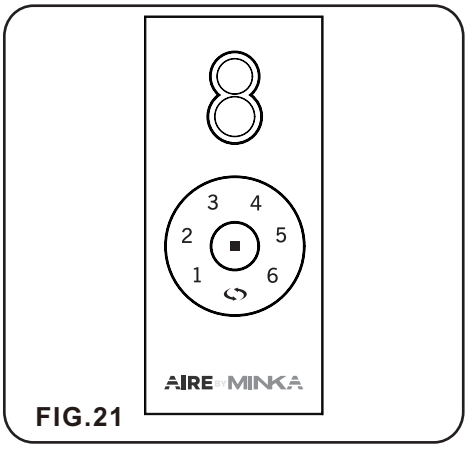


FIG.21

B. ↻ Reverse button:
This button is used to change the direction of the rotation of the blades; Counter clockwise for summer weather operation or clockwise for winter weather operation

C. ■ button:
This button turns the power Off to the Fan.

D. Button:

fans that feature an UP light (button) and a DOWN light (button) that are controlled independent of each other; Press and release the button for the desired light to turn the light ON or OFF. Press and hold the button to set the desired light brightness. The light will cycle between bright and dim settings as long as the button is pressed. The light key has an automatic auto-resume feature that allows the light to remain at the same brightness as the last time it was turned off.

PAIRING PROCESS

NOTE: The pairing function will only mandate within 60 seconds when turning the fan's AC power ON.

- □ Select desired frequency from the back of transmitter.
- □ Press the transmitter's " ■ " button, and hold the " ■ " button for over 5 seconds. Once the receiver has detected the frequency, the fan will automatically begin to operate and start to run for 10 seconds. If a light kit is installed, the light will blink two times.

NOTE: During self calibration test, the remote will be non-function.

NOTE: The learning frequency function and self calibration test will continue to retain the last set frequency and calibration set even when the AC power is shut off. If the frequency is changed the self calibration test will occur again.

1. Lock position: The DC motor has a built-in safety against obstruction during operation. The motor will get locked and disconnect power for 30 seconds if interruption occurs. Please remove obstacles before re-setting.

2. Over 40W protection: When the receiver detects motor power consumption which is greater than 40W, the receiver's power will stop and operation will be immediately discontinued. Turn the receiver power on after 5 seconds.

3. "1" and "ON" dip switch: The "1" selection is the light dimmable selection and is to be used with all bulbs except for CFL bulbs. The "ON" selection is For CFL bulbs.

Summer/winter operation

Note:Speed settings for warm or cold weather depend on factors such as room size, ceiling height and number of fans.

Summer weather(counter clockwise rotation)

A DOWNWARD airflow creates a cooling effect as shown in Figure 22. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

Winter Weather(clockwise rotation)

An UPWARD airflow moves warmer air off the ceiling area as shown in Figure 23. This allows you to set your heating unit on a cooler setting without affecting your comfort.

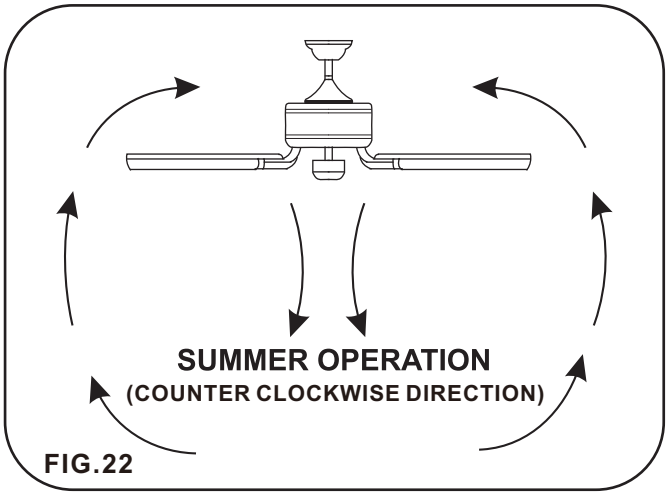


FIG.22

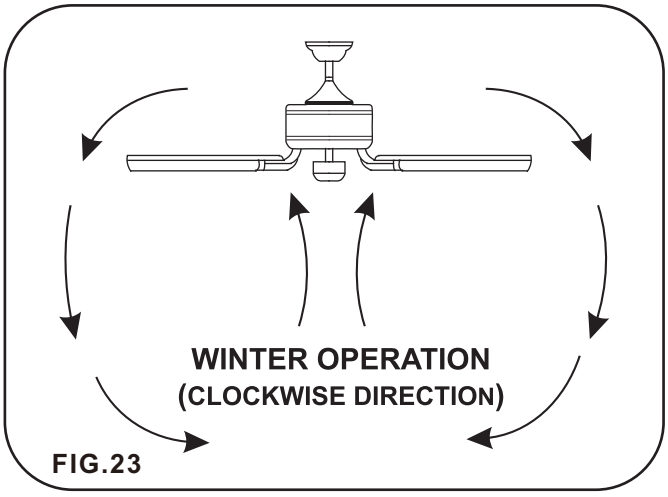


FIG.23

CARE OF YOUR FAN

Here are some suggestions to help maintain your fan.

1. Because of the fan's natural movement some connections may become loose. Check the support connections, brackets and blade attachments twice a year. Make sure they are secure. (It is not necessary to remove fan from the ceiling).

2. Clean your fan periodically to help maintain its new appearance over the year. **CAUTION:** many common household cleaning products contain chemicals that could damage the finish of your fan. Use only a soft lint free cloth and soapy water.

3. If your fan is provided with wood veneer blades; you can apply a light coat of furniture polish for additional protection and enhanced beauty. Cover small scratches with a light application of shoe polish.

4. Use a lint free lightly damp cloth or duster to remove dust from the blades.

5. There is no need to oil your fan. The motor has permanently lubricated bearings.

6. If your fan is provided with glass shades, clean with lukewarm soapy water and a soft cloth or sponge. DO NOT IMMERSE GLASS SHADES IN HOT WATER. DO NOT PUT GLASS SHADES INTO AN AUTOMATIC DISHWASHER.

WARNING!
MAKE SURE THE POWER IS OFF AT THE ELECTRICAL PANEL BOX BEFORE YOU ATTEMPT ANY REPAIRS. REFER TO THE SECTION, "ELECTRICAL CONNECTIONS".

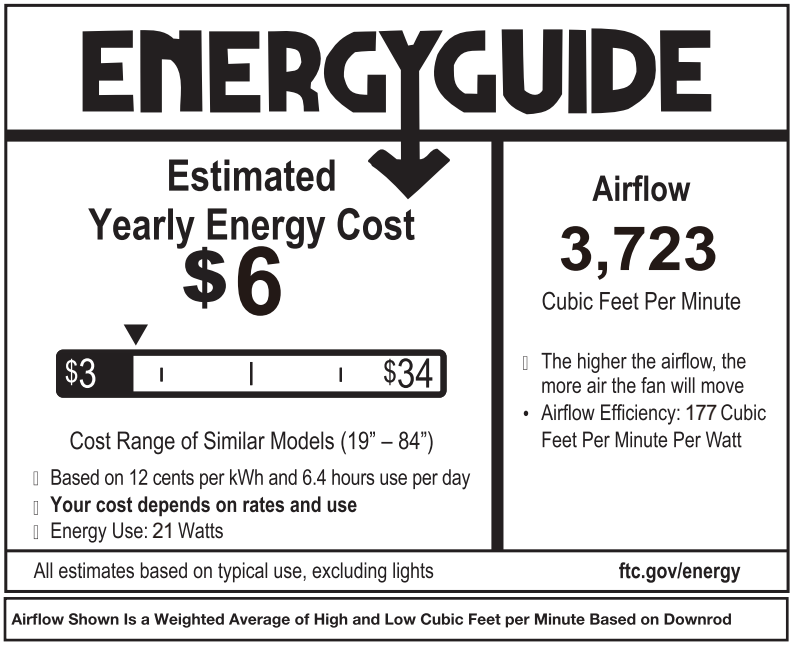
TROUBLESHOOTING

SYMPTOM	SOLUTION
Fan will not start	• Check to make sure the wall switch is turned on. • Check circuit fuses or breakers. • **Caution!** Make sure the power is turned off before performing the following steps. • Remove canopy and check wire connections. • Check wall control transmitter connections (if applicable). • **Note:** Fan must be installed at a maximum distance of 40 feet from the transmitting unit for proper signal transmission between the transmitting unit and the fan's receiving unit.
Fan Sounds Noisy	• Allow a 24-hour "break in" period. Most noises associated with a new fan will go away during this time. Make sure the screws that attach the fan blade holder to the motor hub is tight. • Make sure outlet box is secured to building structure, if necessary use the wood screws • provided to further secure outlet box to joist. • Make sure hanger bracket is secure to the outlet box, screws are tight.
Fan Wobble	• **NOTE:** All blade sets are grouped by weight. Because wood and plastic blades vary in density, the fan may wobble even though blades are matched. • Make sure outlet box is secured to building structure, if necessary use the wood screws provided to further secure outlet box to joist. • Make sure hanger bracket is secure to the outlet box, screws are tight. • If a Balancing kit is provided follow the instructions included with the balancing kit to help correct any excessive wobble.
Fans/Light Turn On and Off Unexpectedly	• This is caused by interference, Please see "Frequency interference" for steps to change the frequency.
Frequency Interference	1. Turn the power off to your ceiling fan. There is a "Universal Mode" and "Learning Mode" with the remote control. When selecting "Universal Mode", simply place dip (code) switch to the UP Position (COMMON CODE). There will be no need to pair your fan and remote control. Please Note: Under the universal mode setting, your fan can be controlled by other transmitters also using the “Universal Mode” with no need to pair them. To prevent any possible Interference with other fans in your home. Minka recommends the use of the “Learning Mode” setting by placing the dip (code) switch to the LOWER position (L. CODE) and follow the steps below. Learn Mode setting: Within 60 second of restoring power source to your fan, press and hold the "LEARN" button for at least 3 seconds. If the fan is installed with light, the light will blink 3 times. This will indicate the process is complete and your fan is ready for use. For fans without light, check operation using remote transmitter. Note: Power must be off for a minimum of 10 seconds, before restoring power to attempt the Learn Mode setting procedure. Note: If Multiple fans require to be controlled by a single remote transmitter Minka Recommends Using the Learn Mode setting. Power to both fans will need to be restored at the same time and Press the Learn button on the remote control so that both desired fans can receive the remotes signal simultaneously.

SPECIFICATIONS

Fan Size	Speed	Volts	Amps	Watts	RPM	CFM	N.W.	G.W.	C.F.
54"	Low	120	0.12	6	70	1336	5.1	6.8	1.93'
	High	120	0.52	32.3	170	5255	kgs	kgs	

These are typical readings. Your actual fan may vary. They do not include amps and wattage used by the light(s).



For any additional information about your Minka Ceiling fan, please write to:

AIRE BY MINKA

1151 W. Bradford Court, Corona, CA 92882 • For Customer Assistance Call: 1-800-307-3267

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